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50X1-HUN
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a weight (with a revolving length of 1,000 mm.) of about 1,000 kg., powered by a 12 hp motor. About 100 lathes of this type can be manufactured per month, but the price, 190,000 kcs. per lathe, is considered too high for easy sale and actual production is, therefore, considerably less.

- b. F 18 simple vertical milling machine with manual attendance for the manufacture of simple tools has a table 750 mm. by 250 mm. in dimensions and an ISA or metrical 18 cone in the spindle.
- c. F 24 simple, vertical and universal automatic milling machine with a 850 mm. by 350 mm. table and metrical 24 cone in the spindle. It is powered by a 2.5 hp. motor. About 50 pieces of F 18 and F 24 machines are produced per month.
- d. F 32 simple, vertical and universal automatic milling machines with a 1,000 nm. by 450 nm. table and a metrical 32 cone in the spindle, powered by a 4.5 to 5 hp. rotor. Froduction capacity is about 100 machines per month.
- e. F 4 simple, vertical and universal automatic milling machines with a 1,000 nm. by 450 mm. table and a retrical 40 cone in the spindle. On this new type of rachine the spindle is revolved automatically in four rows. It is powered by a 8.5 to 10 hp. motor. Production capacity is 80 rachines per month; price is about 250,000 kcs. per machine.
- f. F 5 automatic milling machine, the largest in production, with a 2,000 mm. by 550 mm. table, a metrical 50 cone in the spindle, weight about 4,500 kg., speed 18 to 850 rpm. It is powered by a 24 to 30 hp.motor with separate power for the table, similar to F 32 and F 4. The price is about 450,000 kes. per machine. Froduction capacity is only 10 pieces per month because of the inability of the foundries to produce the large castings necessary.
- g. FDH 32, a simple milling rachine with two horizontal spindles fastened to the sides of the table, used mainly for grooving. Production of this machine is to be discontinued.
- h. A special milling machine for boring airplane engine blocks, consisting of 16 spindles. Blocks are rotated automatically and all openings are bored in one or two operations. A special department under Kanka has been established for the production of this machine, which is manufactured only to order; production takes about 18 months.
- i. H 100 or Plauert horizontal boring and milling machines with fixed or movable table, capable of boring up to 100 rm. hole, weight about 4,500 kg. The jerking motion of the table and the unreliability of the spindles cause many complaints. Production capacity is 80 to 120 machines per year but will be increased to about 200 machines per year with the completion of a new assembly plant and machine shop which were to be completed by July 1949. An assembly plant covering an area of about 12,000 square meters has been completed at Kurim.

70 clerks. about 10 per	lant in Celakovice employs about 1,800 workers, including about of the workers about 20 percent are Communists; among the cler cent are Communists. The plant manager is Fuvlicek  1 consists of 15 communists led by the following men:	rt ks, 50X1-HUN
Chairman:	Kubista	50X1-HUM
Denuty Chairman:	Fins	
Secretary:	Josef Sidvic	
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3.

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## CONCENSION OF A TRANSPORT

CENTRAL INTELLIGENCE AGENCY æ3∞

50X1-HUM

The plant militia consists of 50 workers, all reliable Communists and all residing in the factory. The militia is armed with one pistol, model CZ, 7.62 caliber, and one rifle, model lauser, type 98, for each member as well as four cub- achine muns and one light machine run, thre 24. Arrunition includes about 3,000 pistol cartridges, 2,500 rounds for the machine guns and 5,000 rounds for

Commander:	Jan Kubasta	7
Deputy Commander:	Jaroslav Kucara	
Dogrady - Oliziniana i	1000000	

Production includes precision lathes, with a height to the tips of up to 350 rm., revolving lathes of types RT 60 and RT 80, automatic lathes, and milling machines for manufacture of bicycles. Production capacity is about 80 machines of all types per month.

The production of other plants of TOS is as follows:

the rifles. Leaders of the militia are:

a. Volman, Zebrak:

Boring machines

b. Kamenicek, Hostivar:

Grinding rachines for round shapes, with mechani-

cal and hydraulic fittings

Grinding machines for internal grinding Grinding machines for pointed axletrees Grinding machines for ball bearing rings

e. From, Praha-Holesovice: Polak machines for casting under pressure. This

may include casting of parts for turbine aircraft

engines.

Hydraulic rachines and presses for plastics manufacture

- d. Hawerka, Lipnik mad Becvous Rough lathos, with a height to the tips of 450 mm.
- Podhajsky, Hostivar:

Grinding machines for flat shapes with horizontal

and vertical grinding spindles.

- Stivin, Rychnov mad Nisou: Machinery for heating and tempering at high frequency.
- g. Mach and Fiser, Mronov:

Machines for the manufacture of tin plate.

Shears for cutting both hot and cold metals

Friction and eccentric presses

Ductile presses Tinsmithy equipment

h. Plauert, Varnsdorf:

Horizontal milling and boring machines with boring

spindles, type H 63.

- The Skoda Works in Praha-Smichov produces SUR lathes with a revolving length of from 1,000 mm. to 12,000 mm. and a height to the tips of 260 mm. to 350 mm. for the new rlant in Dubnica (P49/T69) which will also produce lathes as soon as it overcomes initial production difficulties. The production capacity of the Subnica rlant is intended to be 240 pieces for 1950, increasing in the following years to 600 pieces. Skoda also produced R 40 and K 60 revolving lathes for the Skoda Ilzen plant. The Skoda Jorks in Plzen and Holoublkov produces heavy lathes, vertical lathes, horizontal lathes with a boring spindle of up to 160 mm., single spindle automats, heavy hydraulic presses, forge machinery, and rolling mill and foundry equipment.
- Production of other plants of the machine tool industry includes:
  - Cockomoravska Kolben Danek (CKD), Praha-Vysocany is producing heavy pneumatic harmors, steam harmers and falling harmers.
  - b. Krizik, Podmokly is producing electric transporting equipment for workshops.
  - c. Alba, Horovice (N50/L45), produces machinery for foundries, for castings and for working up of sand for use in foundries.

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d. Agrostroj in Foudnice mad Inbem (N51/F62) produces eccentric and friction presses, tin shears, machines for pressing tin plate rejects and greating (sic) rachines.

- e. The Bata machine tool plants at Sezimovo Usti and at Zlin stopped producing IMS machine tools early in 1949 in order to make productive capacity available to complete an order for shoemaking and knitting machines for the USSR. At the present time, the Bata factories in Sezimovo Usti and Zlin are scheduled to produce 300 radial borers for export to Poland and the USSR by 1952. The diminished production of IMS tools caused a loss of about 240 million kes. per year to Czechoslovakia since these tools are in demand.
- f. Zbrojovka Brno at Zidenice (P50/N40) produces precision machine tools, and measuring instruments. Zbrojovka at Vsetin (P50/043) produces special boring machines for high-speed and tool steel, and measuring instruments.
- The split of the Czechoslovak Motalworkin and Mochanical Engineering Flants, National Corporation (Cs. zavody kovodelne a strojirenske n.p.) into four independent general anagements has caused Zbrojovka Brno to eliminate its general directorate in Paha as well as the technical ranament in Fraha-Dejvice, Velf-Likova 4 and the commercial management in Fraha VII, Belerediho rosp. Vinarska 20. The factor in Brno-Zilonice became the center of production. Teapons research and dove comment were transferred to Brno under the direction of Dobremysl and Dr. Farlik, although a part of the construction offices of the development section remain in the former Askania Korke in Praha-Vikovice, Kladenska trida. Technical management was shifted to the individual factories of the combine, and the technical services abroad, which had been supervised by Ing. Fros were eliminated. All production of Zbrojovka other than the production of mapons is handled by the Kurin plant (except for that part of the Kurin plant which was transferred to TOS). The ranagement of this rlant, which includes Ing. Langer and Ing. Voselna, has been enlarged to include such former erriques of liquidated works as Ing. Kubat, and Ing. Edenck Prikryl, the former manager of production for machine tools in Kurim.
- B. Difficulties in the production of machine tools are caused mainly by the inadequate control of production, in the faulty work-up of cog wheels and in the insufficient capacity of the foundries. Electrical equipment in the industry is in short supply and is of poor quality. Furthermore, there have been a number of cases of substage to the finished products recently. Iron bars were placed in the cog 50X1-HUM draulic rollers.
- 9. The following list indicates the approximate price per kg. for which machine tools are sold to Kovo for export. The export price for the machines is determined by the individual sales division of Kovo according to the area to which the tools are being exported. This means that the practice of dumping is used in the hard currency markets while exports to other countries in the Soviet spheres (except the USSR and Poland) are sold for as much as 70 percent more than the same tools in mestern countries.

h.c.	Precision too! lathes Production too! lathes Single spindle automatic lathes SUR lathes Milling machines Boring machines to 10 mm. Boring machines over 10 mm. Radial borers	118 kes. per kg 90 kes. " " 158 kes. " " 130 kes. " " 105 kes. " " 130 kes. " " 130 kes. " "
n.	Radial borers	145 kgs. " "

10. In the fall of 1949 a delegation was sent to Moscow to negotiate an agreenent for the export of machine tools to the UCOR as a part of the trade agreenent. This delegation included: Ing. Frantisek Polacek, Jan Seifert, Ing. Topecky and Ing. Hatlak. They were informed by the Soviet delegates that Czekoslovakia would export to the UCOR machine tools to a value of one-half million bes. These would consist mainly of horizontal boring machines, automatic lathes for the production of ammunition and weapons machinery, and SUR lathes. There was no interest shown in milling tachines or normal tool lathes. The UCSF ordered the entire year's production of MAS radial borers, about 120 machines of model R 2 to R 3, and a prototype of a special machine for the production of cog theels manufactured by Volman was submitted on the order of Stankolmport. It is deemed interestible that the Czech machine tool plants will be able to meet the Telivery dates set by the Soviet delegates.

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